

Appl No.: 09/672519  
Amdt. Dated 8/12/2004  
Reply to Office Action of July 26, 2004.

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### LISTING OF CLAIMS

1. (Original) A preconnected disposable for an apheresis system for separating blood into at least one component for collection, said disposable comprising
  - a blood removal/return assembly for removing blood and returning any uncollected components to the donor;
  - a cassette assembly interconnected to said blood removal/return assembly, said cassette assembly comprises integral fluid passageways for the passage of blood and blood components;
  - a blood processing vessel interconnected to said cassette assembly for separating blood received from the donor into components; and
  - a red blood cell collection assembly comprising
    - a red blood cell collection bag interconnected to said cassette assembly for receiving separated red blood cells when red blood cells are the component to be collected;
    - a leukoreduction filter interconnected to said red blood cell collection bag; and
    - a red blood cell storage bag interconnected to said leukoreduction filter.
2. (Original) The preconnected disposable of claim 1 further comprising
  - an air removal bag interconnected to said red blood cell storage bag for receiving air from said red blood cell storage bag.
3. (Original) The preconnected disposable of claim 1 further comprising
  - first tubing interconnected between said leukoreduction filter and said red blood cell collection bag; and
  - a frangible connector in said first tubing for allowing said first tubing to be opened for the passage of red blood cells through said first tubing.
4. (Original) The preconnected disposable of claim 3 further comprising a second tubing interconnected to said red blood cell collection bag, said second tubing being selectively connectable to a storage solution container; and

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a frangible connector in said second tubing for allowing said second tubing to be opened for the passage of storage solution therethrough.

5. (Original) The preconnected disposable of claim 1 comprising  
a platelet collection bag interconnected to said cassette assembly for receiving separated platelets when platelets are to be collected.

6. (Original) The preconnected disposable of claim 1 comprising  
a plasma collection bag interconnected to said cassette assembly when plasma is to be collected.

7-11. (currently cancelled)